

10/671,331

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,848,623 B2
DATED : February 1, 2005
INVENTOR(S) : Weimer et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing sheets, consisting of Fig. 1-7, should be deleted and replaced with the drawing sheets, consisting of Fig. 1-7, as shown on the attached pages.

Signed and Sealed this

Third Day of May, 2005



JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
 Weimer et al.

(10) Patent No.: **US 6,848,623 B2**
 (45) Date of Patent: **Feb. 1, 2005**

(54) **METHOD AND APPARATUS FOR CENTRALLY CONTROLLING ENVIRONMENTAL CHARACTERISTICS OF MULTIPLE AIR SYSTEMS**

(75) Inventors: John R. Weimer, Stacy, MN (US); Timothy G. Hoyez, Circle Pines, MN (US)

(73) Assignee: Tjernlund Products, Inc., White Bear Lake, MN (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/671,331

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Related U.S. Application Data

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(60) Provisional application No. 60/223,026, filed on Aug. 4, 2000.

(51) Int. Cl.⁷ F24F 7/00

(52) U.S. Cl. 236/11; 236/49.3; 126/312

(58) Field of Search 236/49.3, 11, 51, 236/1 EA, 1 G; 126/312

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Primary Examiner—Marc Norman

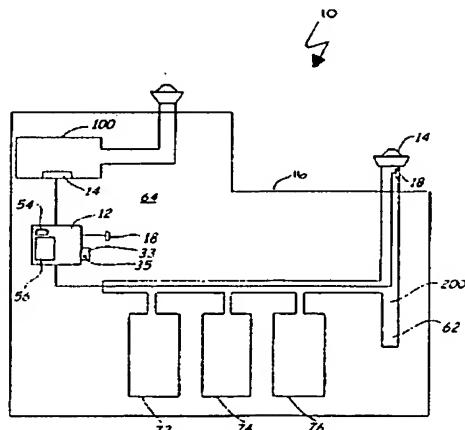
(74) Attorney, Agent, or Firm—Patterson, Thuente, Skar & Christensen, P.A.

(57)

ABSTRACT

The present invention provides a system and single controller for receiving constant and individualized information from a plurality of air control systems. A single controller is capable of controlling and interacting with at least two separate air control systems to control an environmental characteristic, and in the process, reduces the costs associated with the manufacturing and every day operation of the individual systems. In addition, the controller is capable of intelligently communicating with the input and output devices of the system, and particularly with each individually interfaced appliance, such that the controller can adaptively control the system through the use of stored historical data.

24 Claims, 6 Drawing Sheets



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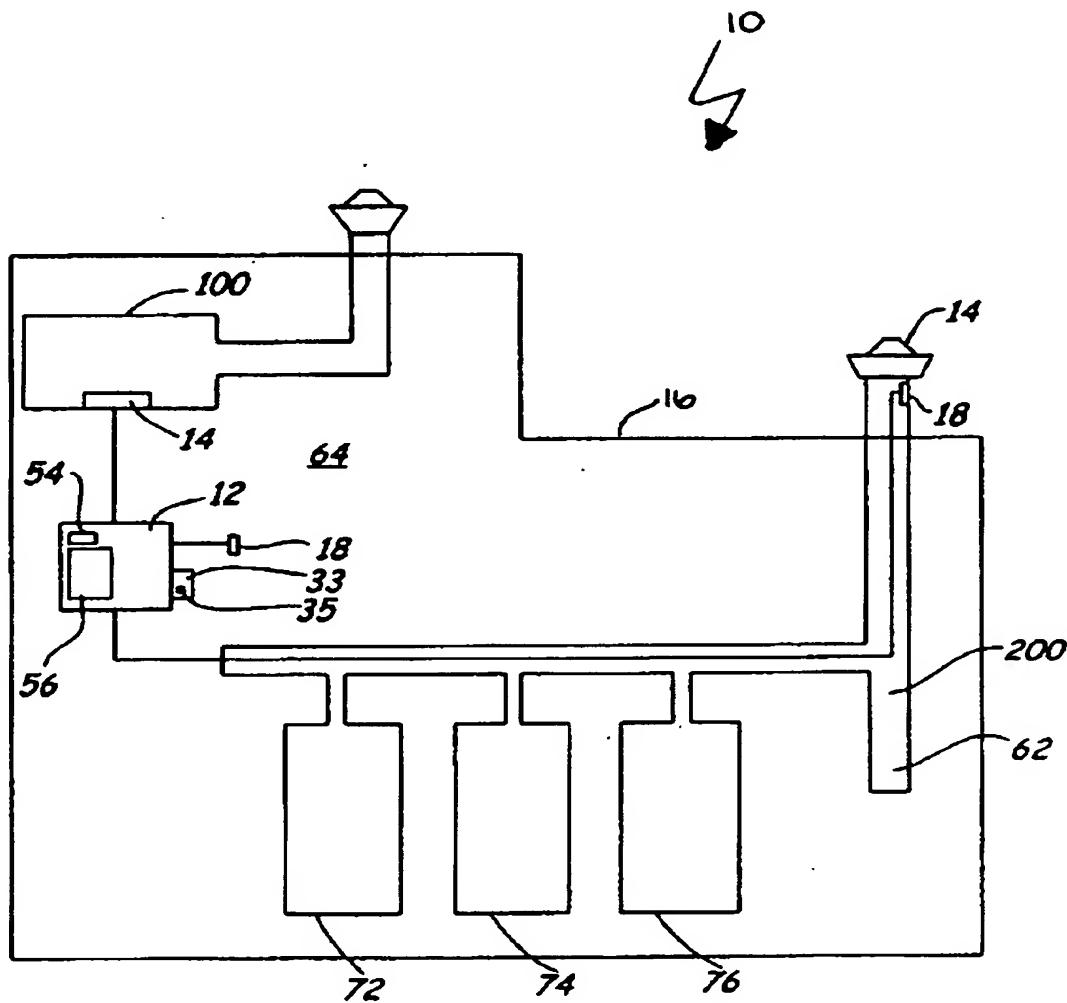


FIG. 1

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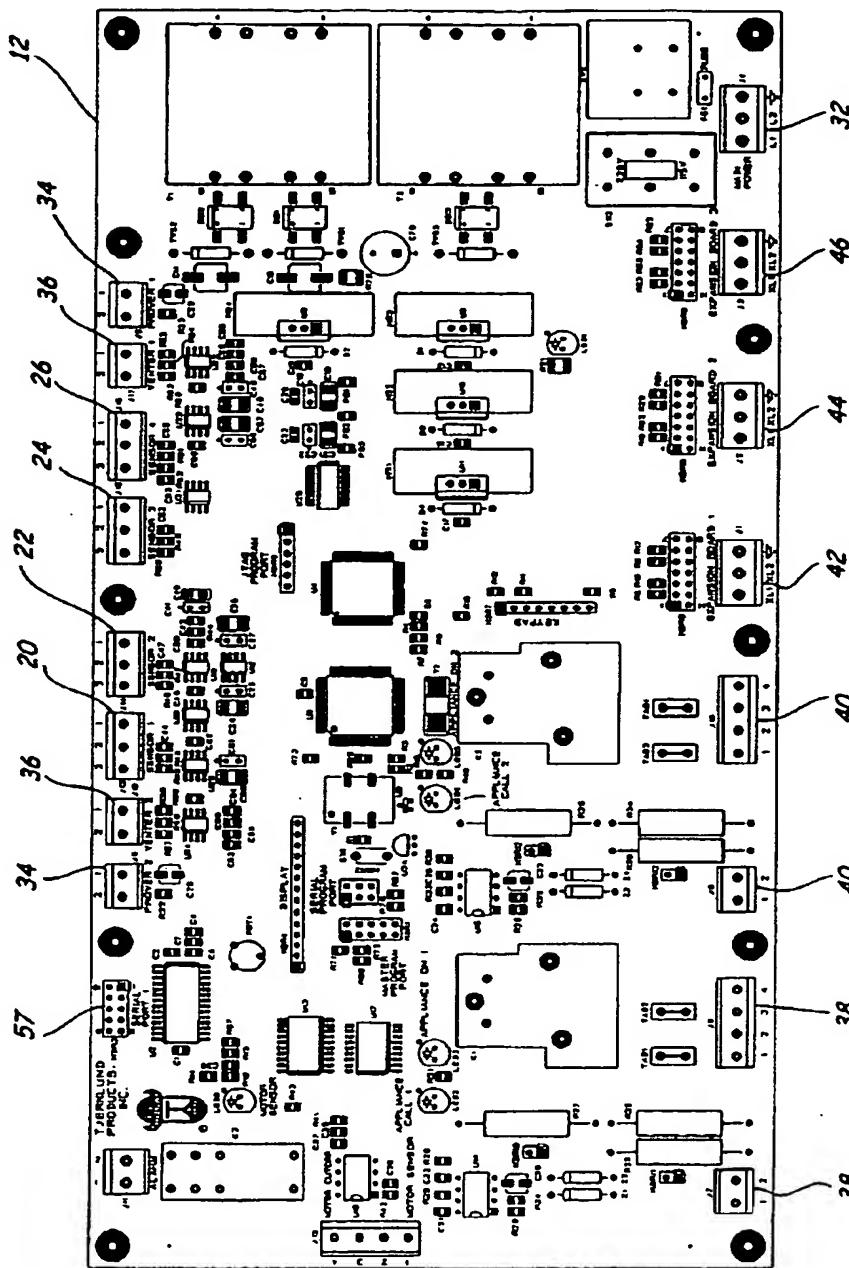


FIG. 2

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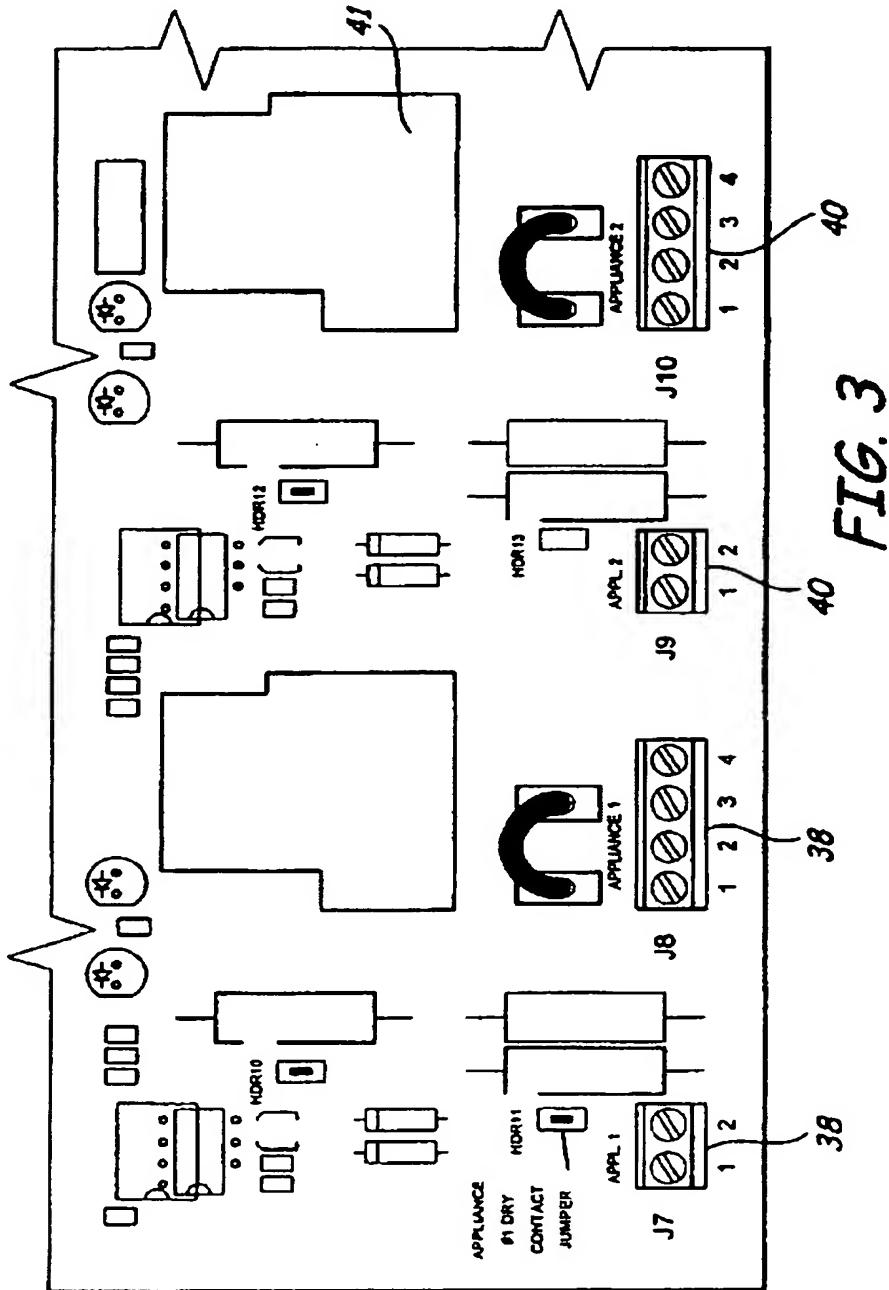


FIG. 3

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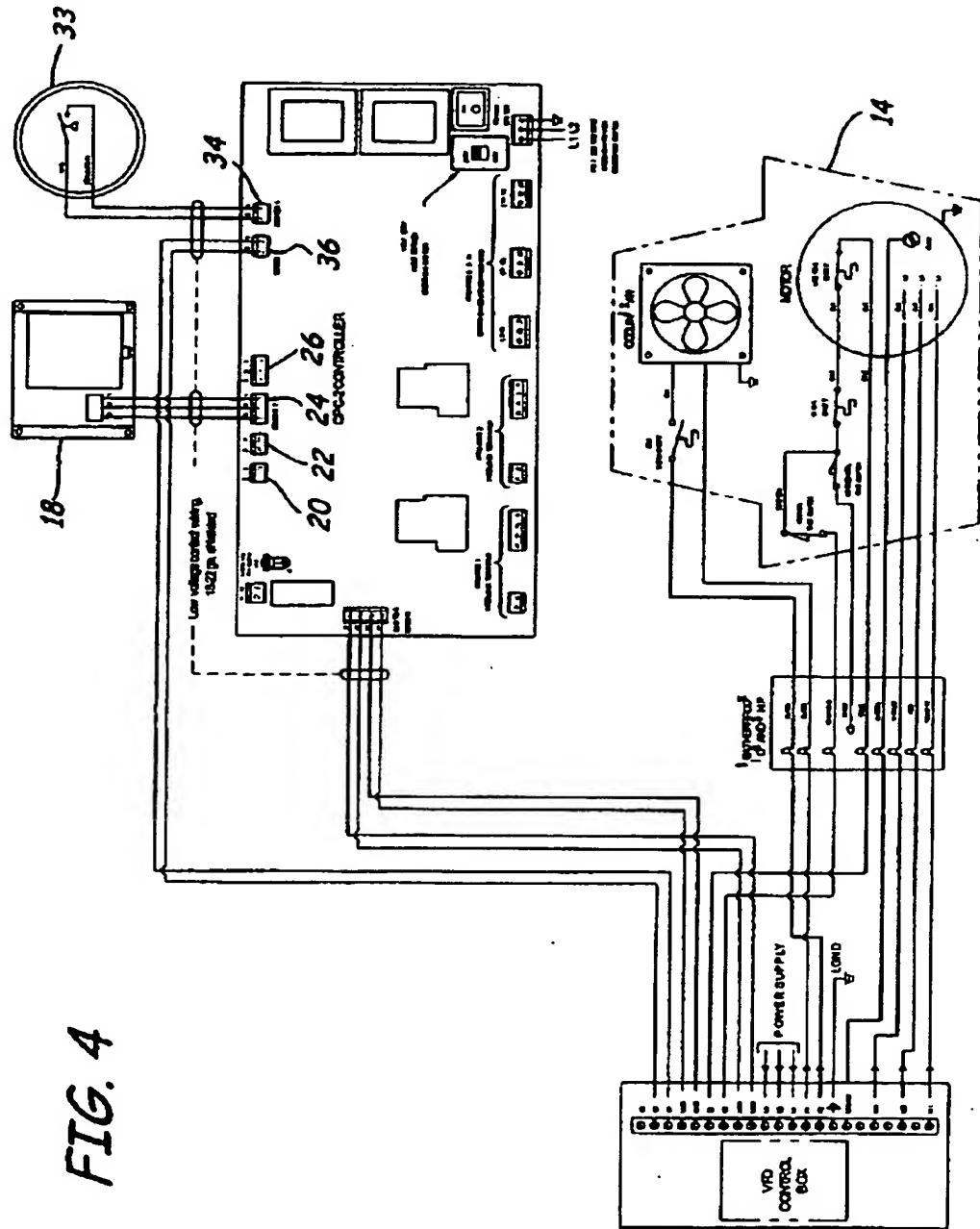


FIG. 4

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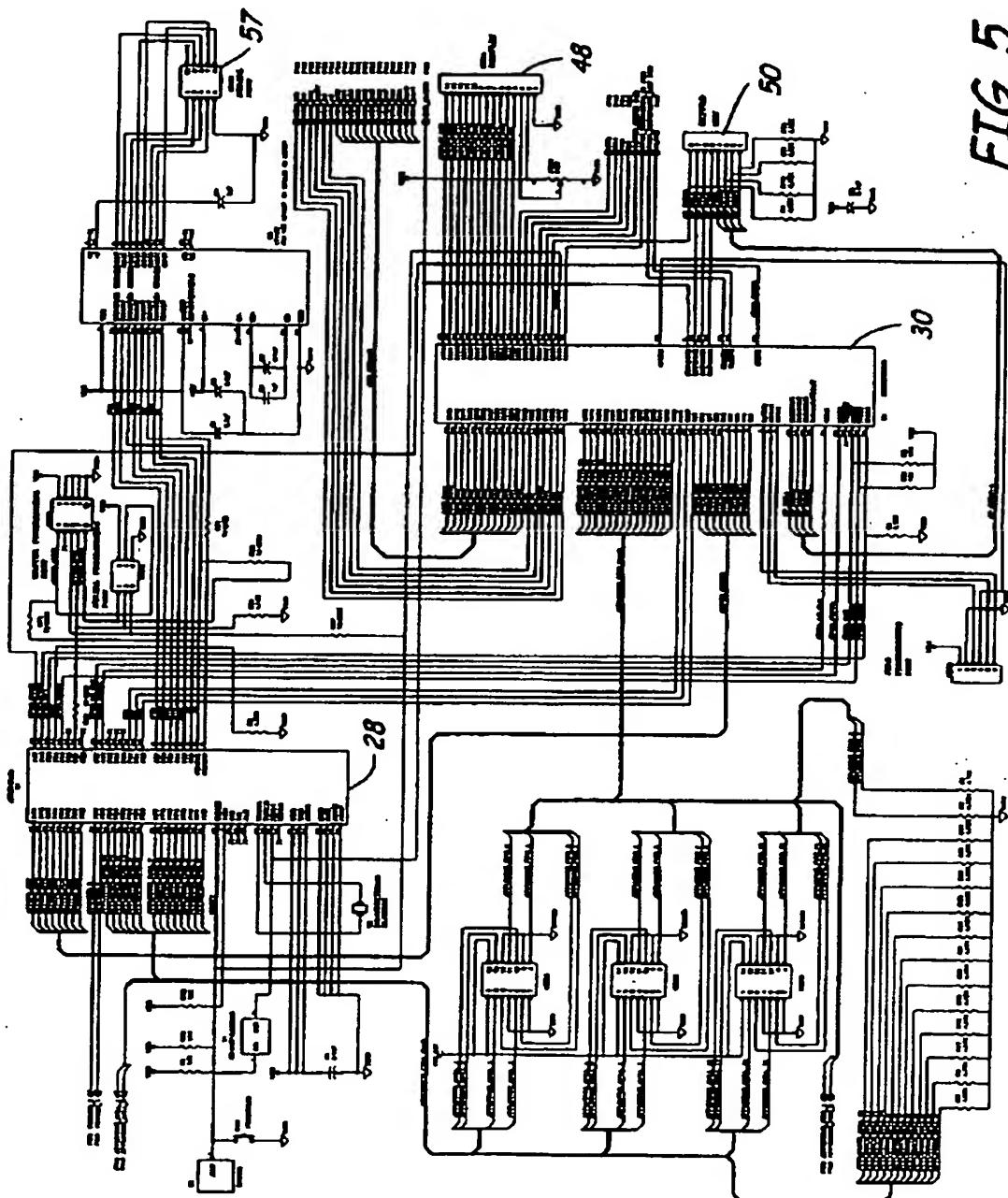


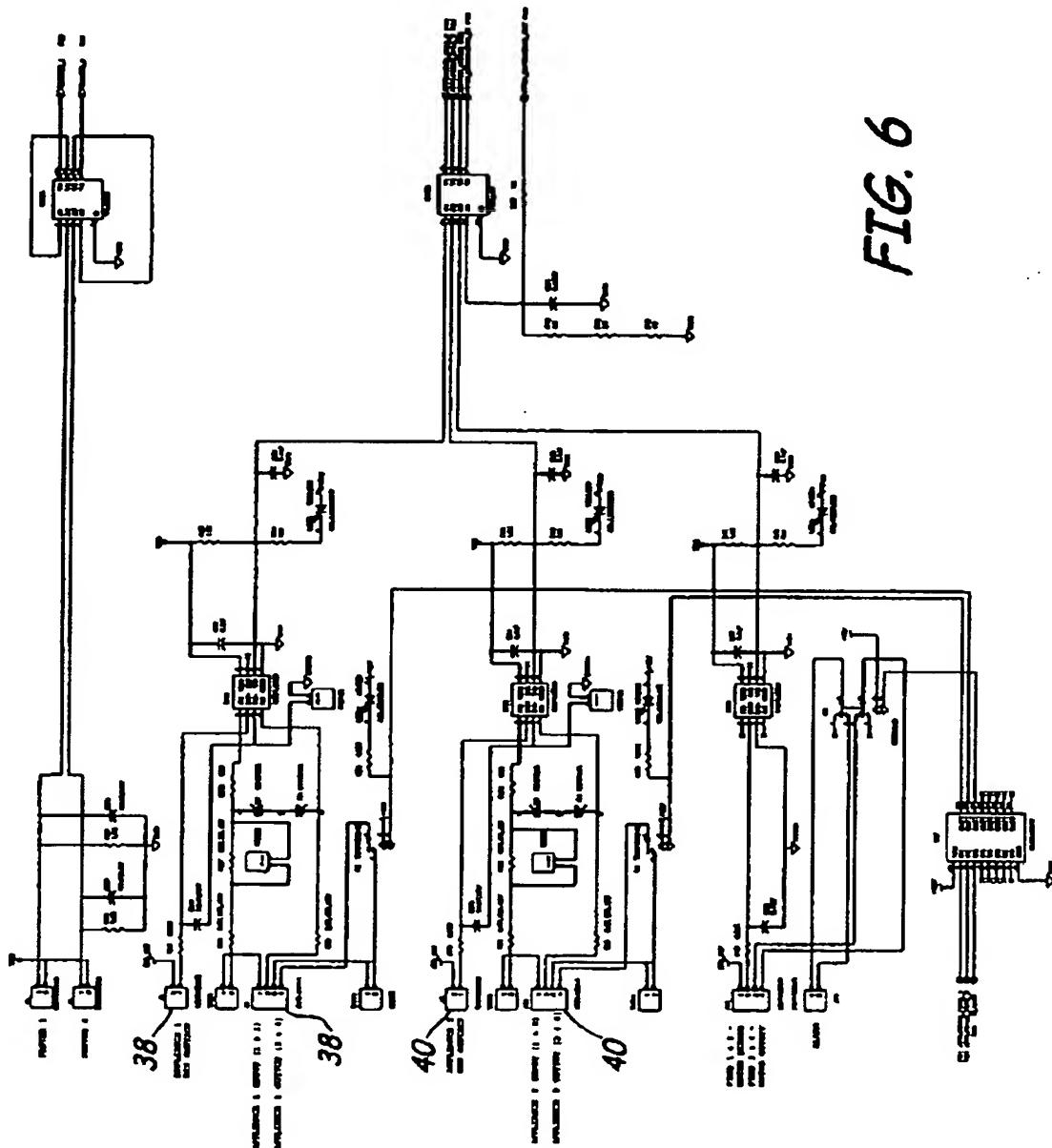
FIG. 5

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FIG. 7

